

**ABSTRACT**

A process for treating a chromium coating and/or the surface of a chromium alloy to increase hardness, and/or to decrease coefficient of friction; chromium alloys and/or chromium coatings with surfaces having increased hardness and/or decreased  
5 coefficient of friction; and, components comprising chromium alloys and/or chromium coatings with surfaces having increased hardness and/or decreased coefficient of friction.

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